

Punchbowl. These shells are frequent in occurrence and now extinct. Dr. C. H. Hitchcock gives a very good account of the geological occurrence or position of these shells on Diamond Head and Punchbowl (3).

We have also collected *Amastra* fossils from Kahuku, Moku-leia and Kwaihapai.

The cause of recent disappearance is the destruction of the forest, collecting by people, and ravages of cattle and goats. An example of this is found on Olomana where Dr. Gulick collected in or about 1850. In the fifties this peak was covered with forest which has disappeared. *Achatinella phæozona* was found on Olomana where it is not now found owing to the disappearance of the forest.

Papers referred to.

1. Cooke, C. Montague.—Distribution and Variation of *Achatinella multizonata* from Nuuanu Valley. Occasional Papers, Bernice Pauahi Bishop Museum, Vol. II, No. 1-5, pp. 65-76.

2. Thwing, E. W.—Occasional Papers of the Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History, Vol. III, No. 1, 1907, pp. 13. Original Descriptions of *Achatinella*.

3. Hitchcock, C. H., and Dall, W. H.—Geology of Oahu, Bulletin of the Geological Society of America, Vol. II, pp. 15 to 60, February, 1900. Notes of Fossil Land Shells on pp. 54-55.

A NEW CYPRAEA FROM HAWAII.

BY J. M. OSTERGAARD.¹

CYPRAEA PACIFICA, n. sp. Plate 2, lower five figs.

Whitish to cream color, richly ornamented with chestnut-brown spots, evenly sprinkled over the dorsal surface; base, aperture and teeth, white; resembles *C. cernica* Sowb. in form, having in common with that species elevated and pitted mar-

¹ Contribution from the Gulick Nat. Hist. Club.

